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DNN N1998-450621 DNC C1998-173252

TI Gas sensor with thermometer for detecting oxygen
concentration and humidity - has sensing element holder enclosing
gas concentration measuring element and temperature
sensing element in parallel and at set distance from each other is encased
coaxially by probe.

DC E36 J04 S03

PA (NITS) NGK SPARK PLUG CO LTD

CYC 1

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AB ~~JP 10260155 A~~ UPAB: 19981223

The gas sensor for measuring oxygen
concentration and humidity comprises of a gas measuring
element (20) which has a built-in heater for heating. A temperature
sensing element (18) is provided for correcting temperature of the gas
sensing element. Both the elements are parallelly arranged inside a sensor
holder (42) which support them enclosed and at a set distance away from
each other in parallel. A probe (14) which extends the sensor into the
sensing zone, coaxially encloses the sensor element holder.

ADVANTAGE - Prevents influence of the heater temperature on the
temperature sensor. Offers compact gas sensor. Ensures
accurate sensing of ambient temperature.

Dwg. 2/7

FS CPI EPI

FA AB; GI; DCN

MC CPI: E11-Q03N; E31-D02; J04-C04

EPI: S03-E02A; S03-E03; S03-E14P